

## Storm Data and Unusual Weather Phenomena - January 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>ILLINOIS, South</b>				
<b>GALLATIN COUNTY --- 1.0 SW SHAWNEETOWN [37.69, -88.14], 1.0 SSW SHAWNEETOWN [37.69, -88.13], 2.6 NNE SALINE MINES [37.65, -88.16], 2.5 NNE SALINE MINES [37.66, -88.17]</b>				
	01/01/14 00:00 CST	0		Flood (due to Heavy Rain)
	01/06/14 03:00 CST	0		Source: River/Stream Gage
Minor flooding lingered along the Ohio River through the first week of 2014. Low-lying fields and woodlands were underwater, along with river access roads and a boat ramp.				
<b>MASSAC COUNTY --- BROOKPORT [37.12, -88.63], 2.4 ESE METROPOLIS [37.14, -88.69], 2.5 ESE METROPOLIS [37.13, -88.69], 0.3 SW BROOKPORT [37.12, -88.63]</b>				
	01/01/14 00:00 CST	0		Flood (due to Heavy Rain)
	01/03/14 12:00 CST	0		Source: River/Stream Gage
Minor flooding lingered along the Ohio River through the first few days of 2014. Low-lying fields and woodlands were flooded, including riverside parks. River access roads were flooded.				
<b>PULASKI COUNTY --- OLMSTED [37.18, -89.08], 2.6 ESE NEW GRAND CHAIN [37.23, -88.98], 2.0 SE NEW GRAND CHAIN [37.23, -88.99], 0.5 NE OLMSTED [37.19, -89.07]</b>				
	01/01/14 00:00 CST	0		Flood (due to Heavy Rain)
	01/02/14 07:00 CST	0		Source: River/Stream Gage
Minor flooding lingered along the Ohio River through the first couple days of 2014. Low-lying fields and woodlands were flooded.				
<b>WABASH COUNTY --- 2.6 SSE PATTON [38.45, -87.73], 2.0 S PATTON [38.45, -87.74], 1.0 E MT CARMEL [38.42, -87.75], 1.4 E MT CARMEL [38.42, -87.75]</b>				
	01/01/14 00:00 CST	0		Flood (due to Heavy Rain)
	01/03/14 07:00 CST	0		Source: River/Stream Gage
Minor flooding lingered along the Wabash River for the first few days of 2014. Several local river roads were flooded. All oil field production ceased with the exception of pumping units on substructures. Access to these was by boat only. Many river cabins were inaccessible.				
<b>WHITE COUNTY --- 0.8 E MAUNIE [38.03, -88.03], 2.1 E MAUNIE [38.03, -88.01], 1.4 NNE RISING SUN [38.02, -88.02], 0.6 SE RISING SUN [37.99, -88.02], 0.5 S RISING SUN [37.99, -88.03]</b>				
	01/01/14 00:00 CST	0		Flood (due to Heavy Rain)
	01/04/14 02:00 CST	0		Source: River/Stream Gage
Minor flooding lingered along the Wabash River through the first few days of 2014. Low-lying woods and fields were underwater.				
<b>WHITE COUNTY --- 2.9 E BROWNSVILLE [38.04, -88.20], 3.1 S CARMi [38.04, -88.18], 1.8 WNW EPWORTH [38.08, -88.13], 0.9 ESE CARMi [38.08, -88.15], 2.1 SE TRUMBULL [38.06, -88.20]</b>				
	01/01/14 00:00 CST	0		Flood (due to Heavy Rain)
	01/03/14 18:00 CST	0		Source: River/Stream Gage
Minor flooding lingered along the Little Wabash River for the first few days of 2014. Some county roads were inundated. Low-lying fields and woodlands were underwater.				
Rivers continued to recede after heavy rainfall in late December. The heavy rainfall was caused by a slow-moving cold front that passed across the Lower Ohio and Mid Mississippi Valleys between December 20th and 22nd. Several low pressure systems moved north-northeast along the front, touching off numerous showers and thunderstorms. The rivers fell below flood stage in early January.				
<b>(IL-Z075) JEFFERSON, (IL-Z076) WAYNE, (IL-Z080) PERRY, (IL-Z081) FRANKLIN, (IL-Z082) HAMILTON, (IL-Z084) JACKSON</b>				
	01/05/14 08:00 CST	0		Winter Storm
	01/05/14 22:00 CST	0		
<b>(IL-Z077) EDWARDS, (IL-Z078) WABASH, (IL-Z083) WHITE, (IL-Z085) WILLIAMSON, (IL-Z086) SALINE, (IL-Z088) UNION, (IL-Z089) JOHNSON</b>				
	01/05/14 12:00 CST	0		Winter Weather
	01/05/14 22:00 CST	0		

Rain changed to snow from northwest to southeast as temperatures fell in the wake of an arctic cold front. A short period of freezing

## Storm Data and Unusual Weather Phenomena - January 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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rain and sleet occurred during the transition. Along and northwest of a line from Carbondale to Benton to Fairfield, a total of 4 to 8 inches fell. The snow fell heavily at times, reducing visibility to as low as one-quarter mile at times. Snowfall rates were around an inch per hour. Southeast of a Carbondale to Fairfield line, total snowfall was from 1 to 3 inches, except less than an inch in the Ohio River counties. Some specific snowfall accumulations included 8 inches at Mount Vernon (Jefferson County), 6 inches at Du Quoin (southeast Perry County), 6 inches at Campbell Hill (extreme northwest Jackson County), and 4 inches at Dahlgren (Hamilton County). Roads were reported to be snow-packed and slick. Gusty winds caused blowing and drifting of snow, which resulted in low visibilities. A layer of slush under the snow froze solid. A low pressure system tracked northeast from central Arkansas across the Lower Ohio Valley. Rain changed to snow on the northwest side of the low track.

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(IL-Z075) JEFFERSON, (IL-Z076) WAYNE, (IL-Z077) EDWARDS, (IL-Z078) WABASH, (IL-Z080) PERRY, (IL-Z081) FRANKLIN, (IL-Z082) HAMILTON, (IL-Z083) WHITE, (IL-Z084) JACKSON, (IL-Z085) WILLIAMSON, (IL-Z086) SALINE, (IL-Z087) GALLATIN, (IL-Z088) UNION, (IL-Z089) JOHNSON, (IL-Z090) POPE, (IL-Z091) HARDIN, (IL-Z092) ALEXANDER, (IL-Z093) PULASKI, (IL-Z094) MASSAC

01/05/14 23:00 CST	1	0	Cold/Wind Chill
01/07/14 08:00 CST		0	

Direct Fatalities: M46PS

Dangerously cold wind chills were observed from late on the night of the 5th through early on the morning of the 7th. Wind chills during this entire period were colder than 10 below zero. The coldest wind chill readings were during the morning of the 6th, when the average wind chills ranged from 20 to 25 below zero along and north of a Carbondale to Carmi line. Average wind chills south of this line were from 15 to 20 below zero. The actual high temperature at Carbondale was 6 degrees on the 6th. This was the most severe cold snap of the 2013-14 winter season. A 46-year-old man died of hypothermia in Du Quoin in Perry County. The man was residing in a portable structure in the back yard of a home. The structure was heated only by a space heater, which was not running when the man's body was found. The extreme cold resulted in many problems with burst pipes and overworked furnaces. Demand for utilities such as gas and electricity was near record highs. Water main breaks occurred as the cold weather put stress on pipes. Arctic high pressure over the Plains states produced a strong northwest wind flow of bitterly cold air across the Lower Ohio Valley and southeast Missouri.

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(IL-Z080) PERRY, (IL-Z081) FRANKLIN, (IL-Z082) HAMILTON, (IL-Z083) WHITE, (IL-Z084) JACKSON, (IL-Z085) WILLIAMSON, (IL-Z086) SALINE, (IL-Z087) GALLATIN, (IL-Z088) UNION, (IL-Z089) JOHNSON, (IL-Z090) POPE, (IL-Z091) HARDIN, (IL-Z092) ALEXANDER, (IL-Z093) PULASKI, (IL-Z094) MASSAC

01/21/14 03:00 CST	15K	Strong Wind (MAX 43 kt)
01/21/14 10:00 CST	0	

Strong north winds occurred in the wake of an Arctic cold front. To the south of the Interstate 64 corridor, peak wind gusts were around 45 mph. Peak wind gusts were measured at 45 mph at the Carbondale, Cairo, Metropolis, and Carmi airports. A mesonet site at East Cape Girardeau in Alexander County measured a gust to 49 mph.

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(IL-Z075) JEFFERSON, (IL-Z076) WAYNE, (IL-Z077) EDWARDS, (IL-Z078) WABASH, (IL-Z080) PERRY, (IL-Z081) FRANKLIN, (IL-Z082) HAMILTON, (IL-Z083) WHITE, (IL-Z084) JACKSON, (IL-Z085) WILLIAMSON, (IL-Z086) SALINE, (IL-Z087) GALLATIN

01/23/14 04:00 CST	0	Cold/Wind Chill
01/23/14 10:00 CST	0	

Wind chill values dropped to between minus 10 and minus 15 across parts of southern Illinois, mainly along and north of a line from Carbondale to Harrisburg and Shawneetown. The lowest wind chills occurred during the early morning hours. At Carbondale, the actual low temperature was 2 degrees above zero. A strong Arctic high pressure system over the Plains states funneled in bitterly cold air on gusty northwest winds.

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(IL-Z077) EDWARDS, (IL-Z078) WABASH

01/25/14 10:00 CST	2K	Strong Wind (MAX 40 kt)
01/25/14 15:00 CST	0	

Strong northwest winds occurred in the wake of an Arctic cold front that swept southeast across the Lower Wabash Valley. The strong winds lasted for several hours. The peak wind gust at the Mount Carmel airport was measured at 46 mph.

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(IL-Z075) JEFFERSON, (IL-Z076) WAYNE, (IL-Z077) EDWARDS, (IL-Z078) WABASH, (IL-Z080) PERRY, (IL-Z081) FRANKLIN, (IL-Z082) HAMILTON, (IL-Z083) WHITE, (IL-Z084) JACKSON, (IL-Z085) WILLIAMSON, (IL-Z086) SALINE, (IL-Z087) GALLATIN, (IL-Z088) UNION, (IL-Z089) JOHNSON, (IL-Z090) POPE, (IL-Z091) HARDIN, (IL-Z092) ALEXANDER, (IL-Z093) PULASKI, (IL-Z094) MASSAC

01/26/14 22:00 CST	19K	Strong Wind (MAX 45 kt)
01/27/14 05:00 CST	0	

In the wake of an Arctic cold front, northwest winds increased to 20 to 35 mph with gusts locally around 50 mph. Peak wind gusts were measured up to 52 mph at the Carbondale airport, 51 mph at a mesonet site in East Cape Girardeau (Alexander County), and 48 mph at

## Storm Data and Unusual Weather Phenomena - January 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Carmi. Near Mount Vernon, a trained spotter measured a wind gust to 45 mph in the community of Scheller. The spotter reported the winds destroyed a television antenna and downed small tree limbs that were 2 to 3 inches in diameter.

### INDIANA, Southwest

**GIBSON COUNTY --- 1.1 NW EAST MT CARMEL [38.41, -87.74], 0.9 NNW EAST MT CARMEL [38.41, -87.74], 2.1 NNE SKELTON [38.38, -87.76], 2.3 NNE SKELTON [38.38, -87.77]**

01/01/14 00:00 CST	0	Flood (due to Heavy Rain)
01/03/14 07:00 CST	0	Source: River/Stream Gage

Minor flooding lingered along the Wabash River for the first few days of 2014. Flood waters began to affect residents of East Mt. Carmel, Indiana. Several local river roads were flooded. All oil field production ceased with the exception of pumping units on substructures. Access to these was by boat only. Many river cabins were inaccessible.

**GIBSON COUNTY --- 1.2 N HAZLETON [38.50, -87.53], 1.8 NE HAZLETON [38.50, -87.50], 1.8 NE HAZLETON [38.50, -87.51], 1.3 N HAZLETON [38.50, -87.53]**

01/01/14 00:00 CST	0	Flood (due to Heavy Rain)
01/03/14 09:00 CST	0	Source: River/Stream Gage

Flooding lingered along the White River for the first few days of 2014. The river continued to recede after cresting on December 29. At the peak of the flood, there was extensive flooding of bottomland fields and woods in northern Gibson County. Numerous county roads were flooded. Some city streets were flooded in Hazleton. A water pump was installed to keep water off the streets. Some river cabin residents evacuated. Several oil fields were flooded and inaccessible. Flood gates were installed at Hazleton. Flood waters covered the Hazleton softball field. At the Hazleton river gage, the river crested at 25.2 feet on December 29th.

**GIBSON COUNTY --- 2.4 SE EAST MT CARMEL [38.38, -87.70], 3.0 NE PRINCETON [38.38, -87.53], 2.9 ESE PATOKA [38.40, -87.53], 2.4 NW LYLE [38.40, -87.68]**

01/01/14 00:00 CST	0	Flood (due to Heavy Rain)
01/02/14 23:30 CST	0	Source: River/Stream Gage

Flooding along the Patoka River continued to recede after cresting on December 27. Low-lying fields and woodlands were underwater, along with river access roads. The river was above flood stage for the first couple days of 2014.

**PIKE COUNTY --- 1.1 WNW PETERSBURG [38.51, -87.30], 2.2 NE PETERSBURG [38.52, -87.26], 2.0 NE PETERSBURG [38.52, -87.25], 0.7 WNW PETERSBURG [38.50, -87.29]**

01/01/14 00:00 EST	0	Flood (due to Heavy Rain)
01/02/14 10:00 EST	0	Source: River/Stream Gage

Flooding of the White River lingered through New Years Day. The river crested on December 29. At the peak of the flood, there was extensive flooding of bottomland woods and fields. Some bottomland county roads were flooded, some by several feet of water. County roads that were flooded east of State Route 57 included 750N, 600N, and 1000E. Pike County roads that flooded west of Route 57 included 250W, 400W, 675N, 700N, 1000W, 900W, 700W, and 775W. Several small oil fields were inaccessible. High water isolated some river cabin residents. At the Petersburg river gage, the river crested at 24.43 feet on December 29th. Flood stage is 16 feet.

**POSEY COUNTY --- 0.1 W HOVEY [37.90, -87.93], 0.4 E HOVEY [37.90, -87.92], 0.5 SSW MT VERNON [37.92, -87.90], 0.7 SW MT VERNON [37.92, -87.91]**

01/01/14 00:00 CST	0	Flood (due to Heavy Rain)
01/04/14 02:00 CST	0	Source: River/Stream Gage

Minor flooding lingered along the Wabash River through the first few days of 2014. Low-lying woods and fields near the river were underwater. Some stripper oil wells near the river were flooded.

**POSEY COUNTY --- MT VERNON [37.93, -87.90], 1.1 NE HOVEY [37.91, -87.92], 1.2 NNE HOVEY [37.92, -87.92], 0.6 SW MT VERNON [37.92, -87.91]**

01/01/14 00:00 CST	0	Flood (due to Heavy Rain)
01/02/14 00:00 CST	0	Source: River/Stream Gage

Minor flooding lingered on the Ohio River through New Years Day. Some low-lying woods and fields along the river were inundated.

Rivers continued to recede after heavy rainfall in late December. The heavy rainfall was caused by a slow-moving cold front that passed across the Lower Ohio and Mid Mississippi Valleys between December 20th and 22nd. Several low pressure systems moved north-northeast along the front, touching off numerous showers and thunderstorms. The rivers fell below flood stage in early January.

## Storm Data and Unusual Weather Phenomena - January 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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(IN-Z081) GIBSON, (IN-Z082) PIKE, (IN-Z085) POSEY, (IN-Z086) VANDERBURGH, (IN-Z087) WARRICK, (IN-Z088) SPENCER

01/05/14 23:00 CST	0	Cold/Wind Chill
01/07/14 08:00 CST	0	

Dangerously cold wind chills were observed from late on the night of the 5th through early on the morning of the 7th. Wind chills during this entire period were colder than 10 below zero. The coldest wind chill readings were during the daytime hours on the 6th...when the average wind chills ranged from 20 to 25 below zero. The actual high temperature at Evansville was 10 degrees on the 6th. This was the most severe cold snap of the 2013-14 winter season. It resulted in many problems with burst pipes and overworked furnaces. Demand for utilities such as gas and electricity was near record highs. Water main breaks occurred as the cold weather put stress on pipes. Arctic high pressure over the Plains states produced a strong northwest wind flow of bitterly cold air across the Lower Ohio Valley and southeast Missouri.

PIKE COUNTY --- 1.0 NW PETERSBURG [38.51, -87.29], 3.8 NNE PETERSBURG [38.55, -87.24], 3.4 NE PETERSBURG [38.54, -87.24], 0.4 NW PETERSBURG [38.50, -87.28]

01/13/14 12:00 EST	2K	Flood (due to Heavy Rain)
01/19/14 12:00 EST	0	Source: River/Stream Gage

Minor flooding occurred along the White River. Low-lying fields and woodlands were underwater. Lowland flooding affected some Pike County roads. East of State Route 57, flooded Pike County roads included 750N, 600N, and 1000E. West of State Route 57, flooded Pike County roads included 250W, 400W, 675N, 700N, 1000W, 900W, 700W, and 775W. Low oil fields were flooded.

GIBSON COUNTY --- 1.1 NNW HAZLETON [38.49, -87.54], 0.6 N HAZLETON [38.49, -87.53], 1.5 NE HAZLETON [38.50, -87.51], 1.5 NNE HAZLETON [38.50, -87.52]

01/13/14 16:00 CST	2K	Flood (due to Heavy Rain)
01/20/14 12:00 CST	0	Source: River/Stream Gage

Minor flooding occurred along the White River. Low-lying fields and woodlands were underwater. Low lying oil fields and a few low rural roads flooded. High water isolated river cabins.

Minor flooding occurred along the White River about mid-month. An arctic intrusion quickly retreated by the 10th. The combination of rainfall of one-quarter to three-quarters of an inch late on the 10th and slowly melting snow through the 13th broke up the river ice that formed during the month. This created lowland flooding along portions of the White River. Flooding along the White River was less than in December.

(IN-Z081) GIBSON, (IN-Z082) PIKE, (IN-Z085) POSEY, (IN-Z086) VANDERBURGH, (IN-Z087) WARRICK, (IN-Z088) SPENCER

01/23/14 04:00 CST	0	Cold/Wind Chill
01/23/14 10:00 CST	0	

Wind chill values dropped to between minus 10 and minus 15 across southwest Indiana. The lowest wind chills occurred during the early morning hours. At Evansville, the actual low temperature was 5 degrees above zero. A strong Arctic high pressure system over the Plains states funneled in bitterly cold air on gusty northwest winds.

(IN-Z081) GIBSON, (IN-Z082) PIKE, (IN-Z085) POSEY, (IN-Z086) VANDERBURGH, (IN-Z087) WARRICK, (IN-Z088) SPENCER

01/25/14 10:00 CST	6K	Strong Wind (MAX 39 kt)
01/25/14 15:00 CST	0	

Strong northwest winds occurred in the wake of an Arctic cold front that swept southeast across the Lower Ohio Valley. The strong winds lasted for several hours. The peak wind gust at the Evansville airport was measured at 45 mph.

(IN-Z081) GIBSON, (IN-Z082) PIKE, (IN-Z085) POSEY, (IN-Z086) VANDERBURGH, (IN-Z087) WARRICK, (IN-Z088) SPENCER

01/26/14 22:00 CST	6K	Strong Wind (MAX 40 kt)
01/27/14 05:00 CST	0	

In the wake of an Arctic cold front, northwest winds increased to 20 to 30 mph with gusts up to 45 mph. Peak wind gusts were measured up to 46 mph at the Evansville airport.

### KENTUCKY, Southwest

UNION COUNTY --- 0.7 NW UNIONTOWN [37.78, -87.94], 2.1 NNE UNIONTOWN [37.80, -87.92], 1.6 NNE UNIONTOWN [37.79, -87.92], 0.5 NNW UNIONTOWN [37.78, -87.93]

## Storm Data and Unusual Weather Phenomena - January 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	01/01/14 00:00 CST		0	Flood (due to Heavy Rain)
	01/04/14 07:00 CST		0	Source: River/Stream Gage

Minor flooding lingered on the Ohio River through the first few days of 2014. Some low-lying woods and fields along the river were inundated.

The Ohio River continued to recede after heavy rainfall in late December. The heavy rainfall was caused by a slow-moving cold front that passed across the Lower Ohio and Mid Mississippi Valleys between December 20th and 22nd. Several low pressure systems moved north-northeast along the front, touching off numerous showers and thunderstorms. The river fell below flood stage in early January.

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(KY-Z001) FULTON, (KY-Z002) HICKMAN, (KY-Z003) CARLISLE, (KY-Z004) BALLARD, (KY-Z005) MCCracken, (KY-Z006) GRAVES, (KY-Z007) LIVINGSTON, (KY-Z008) MARSHALL, (KY-Z009) CALLOWAY, (KY-Z010) CRITTENDEN, (KY-Z011) LYON, (KY-Z012) TRIGG, (KY-Z013) CALDWELL, (KY-Z014) UNION, (KY-Z015) WEBSTER, (KY-Z016) HOPKINS, (KY-Z017) CHRISTIAN, (KY-Z018) HENDERSON, (KY-Z019) DAVIESS, (KY-Z020) MCLEAN, (KY-Z021) MUHLENBERG, (KY-Z022) TODD

01/05/14 23:00 CST	1	0	Cold/Wind Chill
01/07/14 08:00 CST		0	

Direct Fatalities: M85OU

Dangerously cold wind chills were observed from late on the night of the 5th through early on the morning of the 7th. Wind chills during this entire period were colder than 10 below zero. The coldest wind chill readings were in the Henderson and Owensboro area during the daytime hours of the 6th...when the average wind chills were around 20 below zero. Average wind chills elsewhere in western Kentucky were from 10 to 20 below zero. The actual high temperature at Paducah was 10 degrees on the 6th. This was the 10th coldest high temperature on record for any day of the year. This was the most severe cold snap of the 2013-14 winter season. The extreme cold resulted in one fatality. An elderly man in the Paducah area died of hypothermia after spending a night outdoors in the cold. The 85-year-old man apparently locked himself out of his house accidentally. The man was wearing a short-sleeve shirt and no shoes or socks. The extreme cold resulted in many problems with burst pipes and overworked furnaces. Demand for utilities such as gas and electricity was near record highs. Water main breaks occurred as the cold weather put stress on pipes. Arctic high pressure over the Plains states produced a strong northwest wind flow of bitterly cold air across the Lower Ohio Valley and southeast Missouri.

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(KY-Z014) UNION, (KY-Z018) HENDERSON, (KY-Z019) DAVIESS

01/23/14 04:00 CST		0	Cold/Wind Chill
01/23/14 10:00 CST		0	

Wind chill values dropped to between minus 10 and minus 15 across parts of northwest Kentucky, mainly the Henderson and Owensboro areas. The lowest wind chills occurred during the early morning hours. At Owensboro, the actual low temperature was 4 degrees above zero. A strong Arctic high pressure system over the Plains states funneled in bitterly cold air on gusty northwest winds.

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(KY-Z003) CARLISLE, (KY-Z004) BALLARD, (KY-Z005) MCCracken, (KY-Z007) LIVINGSTON, (KY-Z008) MARSHALL, (KY-Z010) CRITTENDEN, (KY-Z011) LYON, (KY-Z013) CALDWELL, (KY-Z014) UNION, (KY-Z015) WEBSTER, (KY-Z016) HOPKINS, (KY-Z018) HENDERSON, (KY-Z019) DAVIESS, (KY-Z020) MCLEAN, (KY-Z021) MUHLENBERG

01/26/14 22:00 CST	15K	Strong Wind (MAX 40 kt)
01/27/14 05:00 CST	0	

In the wake of an Arctic cold front, northwest winds increased to 20 to 30 mph. Peak wind gusts were measured around 45 mph, except slightly lower in the Tennessee border counties. Peak wind gusts were measured up to 46 mph at the Madisonville airport. A wind gust to 45 mph was measured at the mesonet site near Marion. At the Paducah airport, the wind gusted to 45 mph.

### MISSOURI, Southeast

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(MO-Z076) PERRY

01/05/14 09:00 CST	0	Winter Storm
01/05/14 19:00 CST	0	

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(MO-Z086) BOLLINGER, (MO-Z087) CAPE GIRARDEAU, (MO-Z100) WAYNE, (MO-Z107) CARTER

01/05/14 09:00 CST	0	Winter Weather
01/05/14 19:00 CST	0	

Rain changed to snow from northwest to southeast as temperatures fell in the wake of an arctic cold front. A short period of freezing rain and sleet occurred during the transition. Along and north of a line from Cape Girardeau to Van Buren, a total of 1 to 3 inches fell, except up to 4 inches around Perryville. The snow fell heavily at times around Perryville, reducing visibility to as low as one-quarter mile

## Storm Data and Unusual Weather Phenomena - January 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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at times. Snowfall rates were around an inch per hour. Some specific snowfall accumulations included 4 inches at Perryville (Perry County), 2 inches at Clearwater Dam (Wayne County), 1 inch at Cape Girardeau, 1 inch at Marble Hill (Bollinger County), and 1 inch at Lake Wappapello (Wayne County). A low pressure system tracked northeast from central Arkansas across the Lower Ohio Valley. Rain changed to snow on the northwest side of the low track.

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(MO-Z076) PERRY, (MO-Z086) BOLLINGER, (MO-Z087) CAPE GIRARDEAU, (MO-Z100) WAYNE, (MO-Z107) CARTER, (MO-Z108) RIPLEY, (MO-Z109) BUTLER, (MO-Z110) STODDARD, (MO-Z111) SCOTT, (MO-Z112) MISSISSIPPI, (MO-Z114) NEW MADRID	01/05/14 23:00 CST		0	Cold/Wind Chill
	01/07/14 06:00 CST		0	

Dangerously cold wind chills were observed from late on the night of the 5th through the night of the 6th. Wind chills during this entire period were colder than 10 below zero from the Cape Girardeau area north and west. Closer to the Arkansas border and the Bootheel of Missouri, wind chills were colder than 10 below only during the morning of the 6th. The lowest wind chills were observed north of Cape Girardeau on the morning of the 6th, when some readings were around minus 20. The actual high temperature at Cape Girardeau was 8 degrees on the 6th. This was the most severe cold snap of the 2013-14 winter season. It resulted in many problems with burst pipes and overworked furnaces. Demand for utilities such as gas and electricity was near record highs. Water main breaks occurred as the cold weather put stress on pipes. Arctic high pressure over the Plains states produced a strong northwest wind flow of bitterly cold air across the Lower Ohio Valley and southeast Missouri.

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(MO-Z076) PERRY, (MO-Z086) BOLLINGER, (MO-Z087) CAPE GIRARDEAU, (MO-Z100) WAYNE, (MO-Z107) CARTER, (MO-Z108) RIPLEY, (MO-Z109) BUTLER, (MO-Z110) STODDARD, (MO-Z111) SCOTT, (MO-Z112) MISSISSIPPI, (MO-Z114) NEW MADRID	01/21/14 03:00 CST		11K	Strong Wind (MAX 42 kt)
	01/21/14 10:00 CST		0	

Strong north winds occurred in the wake of an Arctic cold front. Peak wind gusts were from 45 to 50 mph. Peak wind gusts were measured at 48 mph at the Cape Girardeau airport and 46 mph at the Poplar Bluff airport.

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(MO-Z076) PERRY, (MO-Z086) BOLLINGER, (MO-Z087) CAPE GIRARDEAU, (MO-Z100) WAYNE, (MO-Z107) CARTER, (MO-Z108) RIPLEY, (MO-Z109) BUTLER, (MO-Z110) STODDARD, (MO-Z111) SCOTT, (MO-Z112) MISSISSIPPI, (MO-Z114) NEW MADRID	01/26/14 22:00 CST		11K	Strong Wind (MAX 44 kt)
	01/27/14 05:00 CST		0	

In the wake of an Arctic cold front, northwest winds increased to 20 to 35 mph with gusts locally near 50 mph. Peak wind gusts were measured up to 51 mph at the Cape Girardeau airport and 45 mph at the Poplar Bluff airport.